

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 October 2003 (16.10.2003)

PCT

(10) International Publication Number
WO 03/084541 A1

- (51) International Patent Classification⁷: **A61K 31/495**, (74) Common Representative: **RANBAXY LABORATORIES LIMITED**; c/o Deshmukh, Jayadeep R., 600 College Road East, Princeton, NJ 08540 (US).
C07D 295/13
- (21) International Application Number: PCT/IB02/01108
- (22) International Filing Date: 8 April 2002 (08.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **RANBAXY LABORATORIES LIMITED** [IN/IN]; 19, Nehru Place, New Delhi 110 019 (IN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **'SALMAN, Mohammad** [IN/IN]; P-2/19, DLF City, Phase II, Haryana, Gurgaon 122001 (IN). **YADAV, Gyan Chand** [IN/IN]; KK-141, Kavi Nagar, Uttar Pradesh, Ghaziabad 201001 (IN). **'SHARMA, Somesh** [IN/IN]; 76, Pragati Apartments, Paschim Vihar, New Delhi 110063 (IN). **KAPKOTI, Gobind Singh** [IN/IN]; House No. 381, Sector-17, Haryana, Gurgaon 122001 (IN). **'CHUGH, Anita** [IN/IN]; RA-36, Inderpuri, New Delhi 110012 (IN). **'GUPTA, Jang Bahadur** [IN/IN]; 349, Sector-14, Haryana, Gurgaon 122001 (IN). **ANAND, Nitya** [IN/IN]; B-62, Nirala Nagar, Uttar Pradesh, Lucknow 226007 (IN).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CARBOXIMIDE DERIVATIVES AS USEFUL URO-SELECTIVE ALPHA-1A ADRENOCEPTOR BLOCKERS

(57) Abstract: Novel carboximide derivatives, which selectively inhibit binding to the α_{1A} adrenergic receptor, a receptor which has been shown to be important in the treatment of benign prostatic hyperplasia. The compounds of the present invention are potentially useful in the treatment of benign prostatic hyperplasia.

WO 03/084541 A1